ATF CONDTIONNER

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 1758B
Issue date: 30-11-16 Revision date: 20-10-26 Supersedes version of: 23-02-22 Version: 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : ATF CONDTIONNER
UFI : 15NW-Y7M7-CF9P-XRXD
Product code : 1758B # 738175R4

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor
SADAPS BARDAHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI
BELGIQUE
T +32 (0).69.59.03.60, F +32 (0).69.59.03.61
msds@bardahlfrance.com, www.bardahl.be

Supplier
SADAPS BARDAHL Additives & Lubricants
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BELGIQUE
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msds@bardahlfrance.com, www.bardahl.be

1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	112 +356 2545 6508	
Saudi Arabia	Poison Control Center-Riyadh	General Directorate of Health Affairs Medial Province	+966 112324180 +966 112324189	
United Arab Emirates	Health Authority – Abu Dhabi (HAAD) Poison & Drug Information Center (PDIC)	P.O. Box 5674	+ 800-424	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Reproductive toxicity, Category 2 H361

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Warning
Contains : Reaction products of diphenylamine with nonene, branched
Hazard statements (CLP) : H361 - Suspected of damaging fertility..
H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P201 - Obtain special instructions before use.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to a hazardous or special waste collection point.
Child-resistant fastening : Not applicable
Tactile warning : Applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Reaction products of diphenylamine with nonene, branched	PBT: not yet assessed vPvB: not yet assessed
methyl-1H-benzotriazole (29385-43-1)	PBT: not yet assessed vPvB: not yet assessed
Dimantine (124-28-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Phenol, (tetrapropenyl) derivatives (74499-35-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Phenol, (tetrapropenyl) derivatives (74499-35-7)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (Note L)	CAS-No.: 72623-87-1 EC-No.: 276-738-4 EC Index-No.: 649-483-00-5 REACH-no: 01-2119474889-13	10-20	Asp. Tox. 1, H304
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich	CAS-No.: 398141-87-2 EC-No.: 800-172-4 REACH-no: 01-2119969520-35	10-20	Aquatic Chronic 2, H411
Distillates (petroleum), hydrotreated light paraffinic substance with national workplace exposure limit(s) (FR) (Note L)	CAS-No.: 64742-55-8 EC-No.: 265-158-7 EC Index-No.: 649-468-00-3 REACH-no: 01-2119487077-29	10-15	Asp. Tox. 1, H304
Reaction products of diphenylamine with nonene, branched	EC-No.: 701-385-4 REACH-no: 01-2119488911-28	5-15	Repr. 2, H361f
Distillates (petroleum), solvent-dewaxed heavy paraffinic substance with national workplace exposure limit(s) (FR) (Note L)	CAS-No.: 64742-65-0 EC-No.: 265-169-7 EC Index-No.: 649-474-00-6 REACH-no: 01-2119471299-27	5-15	Not classified
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (Note L)	CAS-No.: 72623-86-0 EC-No.: 276-737-9 REACH-no: 01-2119474878-16	5-15	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (FR); substance with a Community workplace exposure limit (Note L)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627-25	5-15	Not classified
Distillates (petroleum), solvent-refined heavy paraffinic substance with national workplace exposure limit(s) (BE, BG, CZ, DK, ES, FI, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK); substance with a Community workplace exposure limit (Note L)	CAS-No.: 64741-88-4 EC-No.: 265-090-8 EC Index-No.: 649-454-00-7 REACH-no: 01-2119488706-23	<5	Not classified
methyl-1H-benzotriazole	CAS-No.: 29385-43-1 EC-No.: 249-596-6 REACH-no: 01-2119979081-35	<1	Acute Tox. 4 (Oral), H302 (ATE=720 mg/kg bodyweight) Eye Irrit. 2, H319 Repr. 2, H361d Aquatic Chronic 2, H411
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	CAS-No.: 95-38-5 EC-No.: 202-414-9 REACH-no: 01-2119777867-13	<1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phenol, (tetrapropenyl) derivatives substance listed on REACH Candidate List	CAS-No.: 74499-35-7 EC-No.: 616-100-8 REACH-no: 604-092-009	<0,1	ED ENV 1, EUH430 ED HH 1, EUH380 Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Dimantine	CAS-No.: 124-28-7 EC-No.: 204-694-8 REACH-no: 01-2119486676-20	<0,1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	CAS-No.: 1218787-32-6 EC-No.: 620-540-6 REACH-no: 01-2119510877-33	<0,1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	CAS-No.: 27136-73-8 EC-No.: 202-414-9 REACH-no: 01-2119777867-13	<0,1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	EC-No.: 939-485-7 REACH-no: 01-2119974116-35	<0,1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	CAS-No.: 27136-73-8 EC-No.: 202-414-9 REACH-no: 01-2119777867-13	(10 ≤ C < 100) STOT RE 2; H373

Note L - The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 (“Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method” Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Suspected of damaging fertility or the unborn child.
Chronic symptoms : May damage fertility or the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Foam.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Recover the product with absorbent material.
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.
Storage conditions : Store in a closed container. Keep out of frost.
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.
Storage area : Store in a dry place. Store in a well-ventilated place.
Special rules on packaging : Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	1200 mg/m³

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	7 (8h)
	5 ppm (8h)
VLEP CT (OEL STEL)	14 mg/m³ (15m)
	10 ppm (15m)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m³
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	5 mg/m³

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m³ (8h; UE Valeurs limites d'exposition professionnelle (Europe).)
IOEL STEL	10 mg/m³ (15min; UE Valeurs limites d'exposition professionnelle (Europe).)
Belgium - Occupational Exposure Limits	
OEL TWA	5 mg/m³ (8h; mist; Valeurs Limites (Belgique, 5/2021).)
OEL STEL	10 mg/m³ (15min; mist; Valeurs Limites (Belgique, 5/2021).)
Bulgaria - Occupational Exposure Limits	
OEL TWA	5 mg/m³ (8h; Ministry of Labour and Social Policy and the Ministry of Health - Ordinance No 13/2003.)

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	5 mg/m³ (8h; aerosol; Government regulation of Czech Republic PEL/NPK-P (République Tchèque, 5/2021).)
NPK-P (OEL C)	10 mg/m³ (15min; aerosol; Government regulation of Czech Republic PEL/NPK-P (République Tchèque, 5/2021).)
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	1 mg/m³ (8h; mist and particles; Working Environment Authority (Danemark, 11/2021).)
Korttidsgrænseværdi (OEL STEL)*	2 mg/m³ (8h; mist and particles; Working Environment Authority (Danemark, 11/2021).)
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	5 mg/m³ (8h; mist; Institute of Occupational Health, Ministry of Social Affairs (Finlande, 10/2021).)
Greece - Occupational Exposure Limits	
OEL TWA	5 mg/m³ (8h; mist; Ministry of Labour and Social Affairs (Grèce, 9/2021).)
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	5 mg/m³ (8h; mist; 5/2020. (II. 6.) ITM Decree (Hongrie, 2/2020).)
Ireland - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Latvia - Occupational Exposure Limits	
OEL TWA	5 mg/m³ (8h; Ministers Cabinet Regulations Nr.325 - AER (Lettonie, 2/2021).)
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	1 mg/m³ (8h; mist; Lithuanian Hygiene Standard HN 23 (Lituanie, 1/2021).)
TPRV (OEL STEL)	3 mg/m³ (15min; mist; Lithuanian Hygiene Standard HN 23 (Lituanie, 1/2021).)
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	5 mg/m³ (8h; mist; Ministry of Social Affairs and Employment, Legal limit values (Pays-Bas, 7/2021).)
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	5 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA	5 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	5 mg/m³ (8h; HG 1218/2006 with subsequent modifications and additions (Roumanie, 3/2021).)
OEL STEL	10 mg/m³ (15 min; HG 1218/2006 with subsequent modifications and additions (Roumanie, 3/2021).)
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA)	1 mg/m³ ((mineral oils) ; 8h; liquid aerosol, fumes; Government regulation SR c. 355/2006 (Slovaquie, 9/2020).)
	5 ppm ((mineral oils) ; 8h ; liquid aerosol, fumes; Government regulation SR c. 355/2006 (Slovaquie, 9/2020).)
NPHV (OEL STEL)	3 mg/m³ ((mineral oils) ; 15min; liquid aerosol, fumes; Government regulation SR c. 355/2006 (Slovaquie, 9/2020).)

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
	15 ppm ((mineral oils) ; 15min; liquid aerosol, fumes; Government regulation SR c. 355/2006 (Slovaquie, 9/2020).)
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	5 mg/m³ (8h; mist; National institute of occupational safety and health (Espagne, 4/2021).)
VLA-EC (OEL STEL)	10 mg/m³ (15min; mist; National institute of occupational safety and health (Espagne, 4/2021).)
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	1 mg/m³ (8h; mist and fume; Work environment authority Regulation 2018:1 (Suède, 9/2021).)
KGV (OEL STEL)	3 mg/m³ (15 min; mist and fume; Work environment authority Regulation 2018:1 (Suède, 9/2021).)
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	5 mg/m³ (8h; UE Valeurs limites d'exposition professionnelle (Europe).)
WEL STEL (OEL STEL)	10 mg/m³ (15 min; UE Valeurs limites d'exposition professionnelle (Europe).)
Iceland - Occupational Exposure Limits	
OEL TWA	1 mg/m³ (8h; particulates; Ministry of Welfare, List of Exposure Limits (Islande, 5/2021).)
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	1 mg/m³ (8h; mineral oil particles ; FOR-2011-12-06-1358 (Norvège, 6/2021).)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	5 mg/m³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:
Safety glasses. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Gloves. ISO 374-1

8.2.2.3. Respiratory protection

Respiratory protection:
Good ventilation of the workplace required

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	dark brown.
Appearance	:	clear.
Odour	:	Not available
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive limits	:	Not available
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	> 60 °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	> 20,5 mm²/s (40°C)
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	0,888 – 0,908 g/cm³ (20°C)
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
LD50 oral rat	> 5000 mg/kg OECD401
LD50 dermal rabbit	> 2000 mg/kg OECD402
LC50 Inhalation - Rat	5,53 mg/l/4h méthode OCDE 403

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
LD50 oral rat	10 ml/kg
LD50 dermal rabbit	> 4000 mg/kg bodyweight

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5,53 mg/l/4h

Reaction products of diphenylamine with nonene, branched	
LD50 oral rat	5000 mg/kg

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5,1 mg/l/4h

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg bw/day
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5,53 mg/l/4h

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
LD50 oral rat	> 5000 mg/kg OCDE 401
LD50 dermal rabbit	> 2000 mg/kg OCDE 402

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
LC50 Inhalation - Rat	> 5,53 mg/l OCDE 403
LC50 Inhalation - Rat (Dust/Mist)	> 5,53 mg/l/4h

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
LD50 oral rat	10 ml/kg
LD50 dermal rabbit	> 4000 mg/kg bodyweight

methyl-1H-benzotriazole (29385-43-1)	
LD50 oral rat	720 mg/kg
LD50 dermal rabbit	> 2000 mg/kg 24 hours

Dimantine (124-28-7)	
LD50 oral rat	1230 mg/kg
LD50 dermal rabbit	8000 mg/kg

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
LD50 oral rat	1265 mg/kg

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	
LD50 oral rat	300 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF), 12 Nousan, Notification No 8147, November 2000, including the most recent partial revisions.

Skin corrosion/irritation : Not classified

Dimantine (124-28-7)	
pH	10,1 (20°C)

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
pH	11,1

Serious eye damage/irritation : Not classified

Dimantine (124-28-7)	
pH	10,1 (20°C)

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
pH	11,1

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility..

Dimantine (124-28-7)	
NOAEL (animal/male, F0/P)	42,3 mg/kg bodyweight rat male OECD Guideline 453
NOAEL (animal/female, F0/P)	52,6 mg/kg bodyweight

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
NOAEL (animal/male, F0/P)	20 mg/kg bodyweight rat OECD Guideline 422

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0,98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)	
NOAEL (oral, rat, 90 days)	20 mg/kg bodyweight/day Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:US EPA OPPTS 870.3650
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
NOAEL (oral, rat, 90 days)	20 mg/kg bodyweight/day Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:US EPA OPPTS 870.3650
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

ATF CONDTIONNER	
Viscosity, kinematic	> 20,5 mm²/s (40°C)

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
Viscosity, kinematic	35,85 mm²/s (40°C)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Component	
Phenol, (tetrapropenyl) derivatives (74499-35-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
LC50 - Fish [1]	> 100 mg/l (Pimephales promelas, 96h) (méthode OCDE 203)
LC50 - Other aquatic organisms [1]	> 10000 mg/l (Gammarus pulex, 48h) (méthode OCDE 202)

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
LC50 - Fish [1]	2,4 mg/l (Truite arc-en-ciel)

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
LC50 - Fish [2]	3,3 mg/l (Cyprinodon variegatus)
EC50 - Crustacea [1]	4,6 mg/l (Daphnia magna)
EC50 72h - Algae [1]	63 mg/l
NOEC chronic fish	1 mg/l (Truite arc-en-ciel)
NOEC chronic crustacea	0,63 mg/l (Daphnia magna)
NOEC chronic algae	0,313 mg/l

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
LC50 - Fish [1]	> 100 mg/l 96h
EC50 - Crustacea [1]	> 10000 mg/l
ErC50 algae	> 100 mg/l 48h
NOEC chronic fish	> 100 mg/l
NOEC chronic crustacea	> 10 mg/l
NOEC chronic algae	> 100 mg/l

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
EC50 - Crustacea [1]	> 10000 mg/l (Daphnia magna)
EC50 72h - Algae [1]	> 100 mg/l (Pseudokirchnerella subcapitata)
NOEC chronic fish	> 1000 mg/l (Oncorhynchus mykiss)
NOEC chronic crustacea	10 mg/l (Daphnia magna)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 - Fish [1]	> 100 mg/l (Pimephales promelas)
EC50 - Crustacea [1]	> 10000 mg/l (Daphnia magna)
NOEC chronic fish	1000 mg/l (14 d)
NOEC chronic crustacea	10 mg/l (21 d)
NOEC chronic algae	> 100 mg/l (72 Hrs)

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
EC50 - Crustacea [1]	> 10000 mg/l (Daphnia magna)
NOEC chronic crustacea	≈ 10 mg/l (Daphnia magna) - 21 d
NOEC chronic algae	≥ 100 mg/l (Pseudokirchneriella subcapitata) - 72h

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
LC50 - Fish [1]	> 100 mg/l Pimephales promelas, 96h (OCDE 203)
LC50 - Other aquatic organisms [1]	> 10000 mg/l Gammarus pulex, (OCDE 202)
NOEC chronic fish	> 1000 mg/l
NOEC chronic crustacea	> 10 mg/l Daphnia magna, (OCDE 211)
NOEC chronic algae	≥ 100 mg/l (72h - OCDE 201)

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
LC50 - Fish [1]	2,4 mg/l (Truite arc-en-ciel)
LC50 - Fish [2]	3,3 mg/l (Cyprinodon variegatus)
EC50 - Crustacea [1]	4,6 mg/l (Daphnia magna)

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
EC50 72h - Algae [1]	63 mg/l
NOEC chronic fish	1 mg/l (Truite arc-en-ciel)
NOEC chronic crustacea	0,63 mg/l (Daphnia magna)
NOEC chronic algae	0,313 mg/l

methyl-1H-benzotriazole (29385-43-1)	
LC50 - Fish [1]	180 mg/l Danio rerio
EC50 - Crustacea [1]	8,58 mg/l daphnia
ErC50 algae	75 mg/l Pseudokirchneriella subcapitata

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)	
LC50 - Fish [1]	0,3 mg/l
EC50 - Crustacea [1]	0,163 mg/l
EC50 72h - Algae [1]	0,03 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	0,0169 mg/l
NOEC chronic algae	0,014 mg/l

Dimantine (124-28-7)	
LC50 - Fish [1]	0,26 mg/l (96 h, Danio rerio)
EC50 - Crustacea [1]	0,0558 mg/l (48 h, Daphnia magna)
ErC50 algae	0,0165 mg/l (72 h, Algae)
NOEC chronic crustacea	0,036 mg/l (72 h, Daphnia magna)
NOEC chronic algae	0,00256 mg/l 72h

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)	
LC50 - Fish [1]	0,1 mg/l (Zebra Fish)
EC50 - Crustacea [1]	0,043 mg/l (Daphnia Magna)
EC50 72h - Algae [1]	0,0538 mg/l (Pseudokirchneriella subcapitata)
ErC50 algae	0,0538 mg/l
NOEC chronic crustacea	0,0107 mg/l (Daphnia magna)
NOEC chronic algae	0,0156 mg/l (Pseudokirchneriella subcapitata)

2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol (27136-73-8)	
LC50 - Fish [1]	0,33 mg/l
EC50 - Crustacea [1]	0,163 mg/l
EC50 72h - Algae [1]	0,03 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	0,0169 mg/l
NOEC chronic algae	0,014 mg/l

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	
LC50 - Fish [1]	2,14 mg/l
EC50 - Crustacea [1]	1,05 mg/l

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	
ErC50 algae	0,0544 mg/l
NOEC chronic crustacea	0,738 mg/l
NOEC chronic algae	0,0421 mg/l

12.2. Persistence and degradability

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
Biodegradation	31 % (28d) (méthode OCDE 301F)

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
Biodegradation	9,6 % MITI 1 (28d)

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Persistence and degradability	Not established.
Biodegradation	31 %

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	31 % (28 d OECD 301F)

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
Biodegradation	31 % 28d - not readily biodegradable

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	31 % (28d) OCDE 301F

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
Biodegradation	9,6 % MITI 1 (28d)

Dimantine (124-28-7)	
Persistence and degradability	Considered to be rapidly degradable.

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	63 % (28 jr)

12.3. Bioaccumulative potential

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
Bioconcentration factor (BCF REACH)	27,54 (28 d)
Partition coefficient n-octanol/water (Log Kow)	4,1 (0,1 d)

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Partition coefficient n-octanol/water (Log Pow)	> 6
Bioaccumulative potential	Not established.

Reaction products of diphenylamine with nonene, branched	
Partition coefficient n-octanol/water (Log Pow)	7,58 – 11,87

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Partition coefficient n-octanol/water (Log Kow)	6,1

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Partition coefficient n-octanol/water (Log Pow)	> 3,5

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
Partition coefficient n-octanol/water (Log Kow)	> 6

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)	
Bioconcentration factor (BCF REACH)	1,4 (28 d)
Partition coefficient n-octanol/water (Log Kow)	4,1 (0,1 d)

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)	
Bioconcentration factor (BCF REACH)	110,2
Partition coefficient n-octanol/water (Log Kow)	3,6

12.4. Mobility in soil

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
Ecology - soil	Product adsorbs onto the soil.

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
Ecology - soil	insoluble in water.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

Component	
Phenol, (tetrapropenyl) derivatives (74499-35-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Sewage disposal recommendations : Do not discharge into drains or the environment.

Product/Packaging disposal recommendations : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Additional information : Empty the packaging completely prior to disposal. Do not re-use empty containers.

Ecological waste information : Do not discharge the product into the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Rail transport
Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List < 0.1% or SCL: Phenol, (tetrapropenyl) derivatives (EC 616-100-8, CAS 74499-35-7).

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Austria

Ordinance on Flammable Liquids (VbF) : Auto detect

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Override matching entry (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

SZW List of Carcinogenic Substances : Distillates (petroleum), hydrotreated light paraffinic,Distillates (petroleum), solvent-dewaxed heavy paraffinic,Distillates (petroleum), hydrotreated heavy paraffinic,Distillates (petroleum), solvent-refined heavy paraffinic are listed

SZW List of Mutagenic Substances : Distillates (petroleum), hydrotreated light paraffinic,Distillates (petroleum), solvent-dewaxed heavy paraffinic,Distillates (petroleum), hydrotreated heavy paraffinic,Distillates (petroleum), solvent-refined heavy paraffinic are listed

SZW List of Reprotoxic Substances – Breastfeeding : None of the components are listed

SZW List of Reprotoxic Substances – Fertility : Phenol, (tetrapropenyl) derivatives is listed

SZW List of Reprotoxic Substances – Development : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with it.
If an employee is pregnant or breastfeeding and the person in question uses or is exposed to this product at work, the employer must always carry out a risk assessment of the work. The assessment must both deal with the dangerousness of the impact and its strength and duration. The employer's decision that a pregnant or lactating woman can perform a specific work task must therefore be made in the context of her specific working conditions. See also WEA-Guideline A.1.8-7 on the working environment of pregnant and breastfeeding workers.

Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
ED ENV 1	Endocrine disruptor for the environment, Category 1

Full text of H- and EUH-statements:	
ED HH 1	Endocrine disruptor for human health, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
EUH380	May cause endocrine disruption in humans.
EUH430	May cause endocrine disruption in the environment.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H360F	May damage fertility.
H361	Suspected of damaging fertility..
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.